

Applicants:

Quanxi Jia

Docket No.: S-97,819

Serial No.:

10/615,645

Examiner: Shouxiang Hu

Filed

7/8/2003

Art Unit: 2811

For

METHOD FOR PREPARATION OF SEMICONDUCTIVE FILMS

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.56, 1.97, AND 1.98

Sir:

The documents listed below are identified in compliance with the duty of disclosure defined in 37 CFR 1.56. Copies are attached as appropriate.

- Mori et al., "Photoelectric Element, Picture-Reading Device Including the Same, and Process for Production Thereof," US Patent 4,375,644, Issued Mar. 1, 1983.
- 2. Aramoto et al., "Method of Manufacturing Solar Cell," US Patent 5,538,903, Issued July 23, 1996.

## CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

☑ deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the:
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Date July 1, 2006

**FACSIMILE** 

☐ transmitted by facsimile to the United States Patent and Trademark Office.

Signature

Bruce H. Cottrell

(type or print name of person certifying)

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- 3. Negamie et al., "Precursor for Semiconductor Thin Films and Method for Producing Semiconductor Thin Films," US Patent 5,728,231, Issued March 17, 1998.
- 4. Kondo et al., "Thin-Film Solar Cell," US Patent 5,828,117, Issued October 27, 1998.
- 5. Bodegard et al., "Method of Manufacturing Thin-Film Solar Cells," US Patent 5,994,163, Issued November 30, 1999.
- Li et al., "Polymer-Assisted Aqueous Deposition of Metal Oxide Films,"
   US Patent 6,589,457, Issued July 8, 2003.

This Information Disclosure Statement is not to be construed as a representation that a search has been made or that additional matter material to the examination of this application does not exist. Applicant does not believe that any of these citations constitutes prior art under 35 U.S.C. 102.

It is requested that the above citations be made of record in the prosecution of this application.

Respectfully submitted,

Date:

Reg. No. 30,620

Phone (505) 667-9168

Signature of Attorney

Bruce H. Cottrell

Los Alamos National Laboratory

LC/IP, MS A187

Los Alamos, New Mexico 87545



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PTO form	1449A					Complet	e if Known	
INFORMATION DISCLOSURE					Application Number Filing Date		10/615,645 7/8/2003	
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Sheet		1 of		1	Attorney Docket Number		S-97,819	
Examiner Initials	Cite No. 1	Document Number Number - Kind Code <sup>2</sup> (if known)		Publication D MM-DD-YY		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		US-4,375,	644	03/01/1983		Mori et al.		
		US-5,538,903		07/23/1996		Aramoto et al.		
	<b>T</b>	US-5,728,231		03/17/1998	1	Negami et al.		
, .		US-5,828,117		10/27/1998		Kondo et al.		
	1	US-5,994,163		11/30/1999		Bodegard et al.		
		US-6,589,	457	07/08/2003		Li et al.		
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Examiner Initials	Cite No.	Foreign Patent <u>Document</u> Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
Examiner Signature			Date Consider	ed		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation in not in committed include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

Applicant is to place a check mark here if English language Translation is attached.



1 Fy/ Rev. 02/02/06

## TRANSMITTAL For FY 2006

Patent fees are subject to annual revision

Complete if Known				
Application Number:	10/615,645			
Filing Date:	7/8/2003			
First Named Inventor:	Quanxi Jia			
Examiner Name:	Shouxiang Hu			
Group/Art Unit:	2811			
Attorney Docket No.:	S-97,819			

		Group/A		2811	
TOTAL AMOUNT OF PAYMENT: \$180		Attorney	Docket No.:	S-97,819	
METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)				
The commissioner is hereby authorized to charge indicated fees and credit any over payments to:     Deposit Account Number: 12-2150     Deposit Account Name: Los Alamos National Laboratory     Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17	3. ADDITIONAL FEES Large Entity Fee Fee Code (\$) Fee Description  1051 \$130 Surcharge – late filing fee or oath		Fee Paid		
FEE CALCULATION	1052 \$5	1052 <b>\$50</b> Surcharge – late provisional filing fee or cover sheet			
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	SUBMITTED BY	Complete (if applicable)		
Printed Name:	Bruce H. Cottrell	•	Reg. No.	30,620
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